

CLAIMS

What is claimed is:

1. A independent undercarriage module for a low floor vehicle comprising:
a subframe having a first subframe segment mountable adjacent a first vehicle underside profile segment and a second subframe segment mountable adjacent a second vehicle underside profile, the first underside profile defining a floor for a vehicle isle and the second profile segment defining the floor beneath a passenger seat; and
a suspension system mounted to said subframe.
2. A module as recited in Claim 1 wherein said suspension system is mounted substantially below said second subframe segment with reference to the vehicle.
3. A module as recited in Claim 2 wherein said suspension system includes a non-driven vehicle wheel.
4. A module as recited in Claim 1 wherein said subframe is manufactured of a composite material.
5. A module as recited in Claim 4 wherein said subframe includes a laminate material which resists torsional loads.
6. A module as recited in Claim 4 wherein said subframe is a single continuous member.
7. A module as recited in Claim 4 wherein said subframe includes a multiple of substantially planar members.

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8. A module as recited in Claim 1 further including a plurality of resilient dampers mounted to said subframe.

9. A module as recited in Claim 8 wherein said resilient dampers are mounted between said subframe and the vehicle underside.

10. A module as recited in Claim 9 wherein said resilient dampers filter high frequency vibrations generated by said suspension system.

11. A independent undercarriage module for a low floor vehicle comprising:
a composite subframe having a first subframe segment mountable adjacent a first vehicle underside profile segment and a second subframe segment mountable adjacent a second vehicle underside profile, the first underside profile defining a floor for a vehicle isle and the second profile segment defining the floor beneath a passenger seat;
a suspension system mounted to said second subframe segment; and
a plurality of resilient dampers are mounted between said subframe and the vehicle underside.
12. A module as recited in Claim 11 wherein said subframe includes a laminate material which resists torsional loads.
13. A module as recited in Claim 12 wherein said subframe is a single continuous member.
14. A module as recited in Claim 12 wherein said first and second subframe segments are planar members.
15. A module as recited in Claim 11 wherein said resilient dampers filter high frequency vibrations generated by said suspension system.